

OCT 15 2007

PATENT &amp; TRADEMARK OFFICE

Substitute for form PTO/SB/08A

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Complete if Known

Application Number	10/816,385
Filing Date	04-01-2004
First Named Inventor	Feng-Wen Sun
Art Unit	2616
Examiner Name	HAILU, Kibrom T.

Date: October 10, 2007

Sheet 1 of 1

Attorney Docket Number PD-203051

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/KH/	1	US-2002/064240	05-2002	Joshi et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
/KH/	2	EP 1059786	12-2000	Kabushiki Kaisha Kenwood		
/KH/	3	JP 11-261579 (English abstract)	09-1999	Sony Corporation		
/KH/	4	JP 10-10126447	05-1998	AT & T Corporation		
/KH/	5	JP 2000-349703	12-2000	LG Inf & Comm Ltd		

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
/KH/	6	JIANG, Y.; VERAHRAMI, FARHAD B.; TING, WEN-CHUN; RICHMOND, ROBERT L.; BARAS, JOHN S.; "Data-Aided ML Parameters for PSK Burst Modems and Their Systolic VLSI Implementations"; 1999 IEEE Global Telecommunications Conference; GlobeCom '99; Rio de Janeiro, Brazil; December 5-9, 1999; pages 2177-2182; EP000951366	

Examiner Signature	/Kibrom Hailu/	Date Considered	02/19/2008
--------------------	----------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

NOV 13 2007

Substitute for form PTO/SB/08A  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Complete if Known	
		Application Number	10/816,385
		Filing Date	04-01-2004
		First Named Inventor	Feng-Wen Sun
		Art Unit	2616
		Examiner Name	HAILU, Kibrom T.
Date:	November 12, 2007		
Sheet 1 of 1		Attorney Docket Number	PD-203051

<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
					T

<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T

<b>OFFICIAL COMMUNICATIONS FROM FOREIGN PATENT OFFICE IN COUNTERPART FOREIGN APPLICATIONS</b>					
Examiner Initials*	Cite No.	Country	Description		
/KH/		CA	Canadian Office Action dated June 19, 2007 in counterpart Canadian patent application 2470782		

Examiner Signature	/Kibrom Hailu/	Date Considered	02/19/2008
--------------------	----------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form PTO/SB/08A <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Complete if Known	
		Application Number	10/816,385
		Filing Date	April 1, 2004
		First Named Inventor	Feng-Wen Sun, et al.
		Art Unit	2616
		Examiner Name	Kibrom T. Hailu
Date: July 10, 2007 Sheet 1 of 1			
		Attorney Docket Number	PD-203051

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Classification
/KH/		US-7,079,574	07-2006	Rafie, et al.	375/232
/KH/		US-6,518,892	02-2003	Shen, et al.	370/343
/KH/		US-7,136,445	11-2006	Houtman, Tom	375/375
/KH/		US-4,613,825	09-1986	Bickley, et al.	331/4
/KH/					

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T-----
/KH/		"Open-Loop Tanlock Carrier Recovery Structure for BPSK and it's Performance" by Pooi Yuen Kam, Senior Member, IEEE, 1995 IEEE			
/KH/		"Orthogonal Frequency Division Multiplex Synchronization Technique for Frequency-Selective Fading Channels" by Thomas Keller, Lorenzo Piazzo, Paolo Mandarini, and Lajos Hanzo, Senior Member, IEEE. IEEE Journal on Selected Areas in Communications, Vol 19, No. 6, June 2001			

Examiner Signature	/Kibrom Hailu/	Date Considered	02/19/2008
--------------------	----------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED  
CENTRAL FAX CENTER

004/004

JUN 13 2007

Substitute for form PTO/SB/08A		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/816,385
		Filing Date	April 1, 2004
		First Named Inventor	Feng-Wen Sun
		Art Unit	2616
		Examiner Name	FEILD, Lynn Diana
Date:	June 13, 2007		
Sheet 1 of 1		Attorney Docket Number	PD-203051

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/KH/		US-5,241,549	08-1993	Knowles et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T

Examiner Signature	/Kibrom Hailu/	Date Considered	02/19/2008
--------------------	----------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form PTO/SB/08A  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Complete if Known	
		Application Number	10/816,385
		Filing Date	April 1, 2004
		First Named Inventor	Feng-Wen Sun
		Art Unit	2616
		Examiner Name	PHAM, Chi H.
Date:	February 22, 2007		
Sheet 1 of 1		Attorney Docket Number	PD-203051

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/KH/		US-6,721,299	04-2004	Young-Joon, Song	
/KH/		US-6,879,602	04-2005	Sugita et al.	
/KH/		US-6,493,335	12-2002	Darcie et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

Examiner Signature	/Kibrom Hailu/	Date Considered	02/19/2008
--------------------	----------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

OCT 02 2006  
U.S. PATENT AND TRADEMARK OFFICE

Information Disclosure Statement PTO/SB/08A

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date: September 29, 2006

Sheet 1 of 1

Attorney Docket Number: PD-203051

Complete if Known

Application Number	10/816,385
Filing Date	04/01/2004
First Named Inventor	Feng-Wen Sun
Art Unit	2616
Examiner Name	PHAM, Chi H.

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/KH/		US-6,631,174	10-2003	Asahara et al.	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
/KH/		JP 05-244144	09-1993	Casio Computer		

Examiner Signature	/Kibrom Hailu/	Date Considered	02/19/2008
--------------------	----------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form PTO/SB/08A  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Complete if Known	
		Application Number	10/816,385
		Filing Date	April 1, 2004
		First Named Inventor	Feng-Wen Sun
		Art Unit	2667
		Examiner Name	PHAM, Chi H.
Date: March 6, 2006			
Sheet 1 of 1		Attorney Docket Number	PD-203051

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/KH/		US-6,560,303	05-06-2003	Fan et al.	

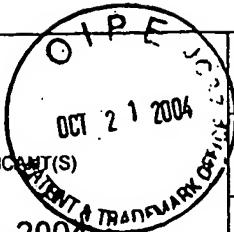
**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

Examiner Signature	/Kibrom Hailu/	Date Considered	02/19/2008
--------------------	----------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified)	ATTY DOCKET NO.	APPLICATION NO.
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	PD- 203051	10/816,385
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)	APPLICANTS	
DATE SUBMITTED TO PTO: <u>October 20, 2004</u>	Filing Date <u>April 1, 2004</u> Group <u>2661</u>	



## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/KH/	5,241,549	8-31-93	Moon et al.			

EXAMINER

DATE CONSIDERED

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ABS

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

/Kibrom Hailu/

DATE CONSIDERED

02/19/2008

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication to Applicant.